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CATALOGUE

--- OF ---

Local Botanical and Palæontological Specimens.

PREPARED BY

THE HAMILTON ASSOCIATION,

1896-97.

FLORA OF HAMILTON DISTRICT.

BY J. M. DICKSON AND A. ALEXANDER, F. S. S.

In preparing this list we have followed the classification and nomenclature of Dr. Asa Gray's Manual of the Botany of the Northern United States, sixth edition, second issue.

We have endeavored to make it as complete and as free from errors as possible ; doubtful specimens having been submitted to John Macoun, M. A., F. L. S., F. R. S. C., Dominion Botanist, for positive identification.

Names of plants followed by (Craigie), (Logie) or (Buchan) are simply copied from lists previously published by these gentlemen.

Dr. Craigie, *Canadian Journal*, 1852. (We have not been able to obtain an original copy of this list.)

Judge Logie—"Flora of Hamilton." List of plants found growing in the neighborhood of Hamilton during the years 1859-61, including plants collected by Miss Kate Crooks: *Annals of the Botanical Society of Canada.*

J. M. Buchan, M. A.—"Flora Hamiltonensis." *Proceedings of the Canadian Institute*, 1883-84.

RANUNCULACEAE.

Clematis Virginiana—L.
" verticillaris—D. C.
Anemone cylindrica—Gray.
" Virginiana—L.
" Pennsylvanica—L.
" nemorosa—L.
" var. quinquefolia.
Hepatica triloba—Chaix.
" acutiloba—D. C.
Anemonella thalictroides—Spach.
Thalictrum dioicum—L.
" polygamum—Muhl.
" purpurascens—L.

Ranunculus aquatilis—L., var. trichophyllus—Gray.
" multifidus—Pursh.
" Flammula—L., var. reptans—E. Meyer.
" pusillus—Poir. (Logie.)
" abortivus—L.
" sceleratus—L.
" recurvatus—Poir.
" fascicularis—Muhl.
" repens—L.
" Pennsylvanicus—L. f.
" *bulbosus*—L.
" *acris*—L.
Caltha palustris—L.
Coptis trifolia—Salisb.
Aquilegia Canadensis—L.
Delphinium *Consolida*—L.
Cimicifuga racemosa—Nutt.
Actæa spicata—L., var. rubra—Ait.
" alba—Bigelow.

MAGNOLIACEAE.

Liriodendron Tulipifera—L.

MENISPERMACEAE.

Menispermum Canadense—L.

BERBERIDACEAE.

Berberis *vulgaris*—L.
Caulophyllum thalictroides—Michx.
Podophyllum peltatum—L.

NYMPHÆACEAE.

Nymphæa odorata—Ait. (Logie).
" reniformis—D. C.
Nuphar advena—Ait. f.

SARRACENIACEAE.

Sarracenia purpurea—L.

PAPAVERACEAE.

Sanguinaria Canadensis—L.

Chelidonium *majus*—L.
Papaver *Argemone*—L. (Buchan).

FUMARIACEAE.

Adlumia cirrhosa—Raf. (Logie).
Dicentra Cucullaria—D. C.
" Canadensis—D. C.
Corydalis glauca—Pursh.
Fumaria *officinalis*—L. (Logie).

CRUCIFERAE.

Dentaria diphylla—L.
" laciniata—Muhl.
" heterophylla—Nutt. (Buchan.)
Cardamine rhomboidea—D. C.
" " var. purpurea—Torr.
" rotundifolia—Michx.
" pratensis—L.
" hirsuta—L.
" Pennsylvanica—Muhl.
Arabis hirsuta—Scop.
" laevigata—Poir.
" Canadensis—L.
Draba Caroliniana—Walt.
Alyssum *calycinum*—L.
Camelina *sativa*—Crantz.
Nasturtium *officinale*—R. Br.
" *sylvestre*, R. Br. (Buchan.)
" palustre—D. C.
" " var. hispidum.
" *Armoracia*—Fries.
Barbarea vulgaris—R. Br. (Craigie.)
Erysimum cheiranthoides—L.
Sisymbrium canescens—Nutt.
" *officinale*—Scop.
Brassica *Sinapistrum*—Boiss.
" *nigra*—Koch.
Capsella *Bursa-pastoris*—Moench.
Thlaspi *arvense*—L.

Lepidium Virginicum—L.
" intermedium—Gray. (Logie.)
" *ruderale*—L.
" *campestre*—Br.
Cakile Americana—Nutt.
Raphanus *Raphanistrum*—L.

CAPPARIDACEAE.

Polanisia graveolens—Raf.

CISTACEAE.

Helianthemum Canadense—Michx.
Lechea minor—L.

VIOLACEAE.

Viola palmata, var. cucullata—Gray.
" sagittata—Ait.
" Selkirkii—Pursh.
" palustris—L.
" blanda—Willd.
" " —var. renifolia—Gray.
" lanceolata—L.
" pubescens—Ait.
" Canadensis—L.
" striata—Ait. (Logie.)
" rostrata—Pursh.
" canina—L., var. Muhlenbergii—Gray.
" *tricolor*—L.
" " var. *arvensis*.

CARYOPHYLLACEAE.

Dianthus *barbatus*—L.
Saponaria *officinalis*, L.
" *Vaccaria*—L.
Silene *Cucubalus*—Wibel.
" antirrhina—L.
" *noctiflora*—L.
Lychnis *Githago*—Lam.
Arenaria *serpyllifolia*—L.
" Michauxii—Hook, f.
" lateriflora—L.

Stellaria *media*—Smith.
" longifolia—Muhl.
" longipes—Goldie. (Buchan).
Cerastium *viscosum*—L.
" *vulgatum*—L.
" nutans—Raf.
" arvense—L.
" " var. oblongifolium—Hall and Britt.

PORTULACACEAE.

Portulaca *oleracea*—L.
" *grandiflora*—Hook. (Buchan).
Claytonia Virginica—L.
" Caroliniana—Michx. (Logie).

HYPERICACEAE.

Hypericum Kalmianum—L. (Logie).
" ellipticum—Hook.
" *perforatum*—L.
" maculatum—Watt.
" mutilum—L. (Buchan).
" Canadense var. minimum—Chois.
Elodes campanulata—Pursh.

MALVACEAE.

Malva *rotundifolia*—L.
" *sylvestris*—L.
" *moschata*—L.
Callirrhoe digitata.—Nutt.
Abutilon *Avicennæ*—Gaertn.

TILIACEAE.

Tilia Americana—L.

LINACEAE.

Linum Virginianum—L.
" *usitatissimum*—L.

GERANIACEAE.

Geranium maculatum.—L.
" Robertianum—L.
" *pusillum*—L.

Erodium *cicutarium*—L'Her. (Logie & Buchan).
Oxalis corniculata var. stricta—Sav.
Impatiens pallida—Nutt.
" fulva.—Nutt.

RUTACEAE.

Xanthoxylum Americanum—Mill.

ILICINEAE.

Ilex verticillata—Gray.
Nemopanthes fascicularis—Raf.

CELASRTRACEAE.

Celastrus scandens—L.
Euonymus atropurpureus—Jacq. (introduced).
" Americanus, var. abovatus—Torr. & Gray.

RHAMNACEAE.

Rhamnus alnifolia—L'Her. (Logie).
Ceanothus Americanus—L.

VITACEAE.

Vitis Labrusca—L. (Buchan).
" cordifolia—Michx.
" riparia—Michx.
Ampelopsis quinquefolia—Michx.

SAPINDACEAE.

Aesculus *Hippocastanum*—L.
Acer spicatum—Lam.
" saccharinum—Wang.
" dasycarpum—Ehrh.
" rubrum—L.
Negundo aceroides—Moench. (introduced)
Staphylea trifolia—L.

ANACARDIACEAE.

Rhus typhina—L.
" Toxicodendron—L.

POLYGALACEAE.

Polygala paucifolia—Willd.
" polygama—Walter.

Polygala Senega—L.
" " " var. latifolia—Torr. & Gray.
" sanguinea—L. (Logie & Buchan).
" fastigiata—Nutt. (Craigie).
" verticillata—L.

LEGUMINOSAE.

Baptisia tinctoria—R. Br. (Craigie).
Lupinus perennis—L.
Trifolium *arvense*—L.
" *pratense*—L.
" repens—L.
" *hybridum*—L.
" *procumbens*—L.
" *incarnatum*.
Melilotus *officinalis*—Willd.
" *alba*—Lam.
Medicago *sativa*—L.
" *lupulina*—L.
Robinia Pseudacacia—L.
" viscosa—Vent.
Astragalus Canadensis—L.
" Cooperi—Gray.
Desmodium nudiflorum—D. C.
" acuminatum—D. C.
" rotundifolium—D. C.
" cuspidatum—Torr. & Gray.
" Dillenii—Darlingt. (Craigie.)
" paniculatum—D. C.
" Canadense—D. C.
Lespedeza procumbens—Michx. (Logie.)
" violacea—Pers.
" polystachya—Michx. (Logie.)
" capitata—Michx.
Vicia *sativa*—L.
" " var. *angustifolia*—Seringe.
" *hirsuta*—Koch. (Logie).
" Caroliniana—Walt.

Vicia Americana—Muhl. (Craigie).
" *sepium*—L.
Lathyrus maritimus—Bigelow.
" ochroleucus—Hook.
" palustris—L.
" " var. myrtifolius—Gray.
" *pratensis*—L. (Logie).
Apios tuberosa—Moench.
Strophostyles angulosa—Ell.
Amphicarpaea monoica—Nutt.
Gleditschia triacanthos—L.

ROSACEAE.

Prunus Americana—Marshall
" Pennsylvanica—L. f.
" Virginiana—L.
" serotina—Ehrh.
" *Cerasus*—L.
Spiraea salicifolia—L.
" tomentosa—L.
Physocarpus opulifolius—Maxim
Gillenia trifoliata—Moench.
Rubus odoratus—L.
" triflorus—Richardson.
" strigosus—Michx.
" Occidentalis—L.
" villosus—Ait.
" Canadensis—L.
" hispidus—L. Aut.
Dalibarda repens—L.
Geum album—Gmelin.
" Virginianum—L. (Craigie).
" strictum—Ait.
" rivale—L.
Waldsteinia fragarioides—Tratt.
Fragaria Virginiana—Mill.
" " var. Illinoensis—Gray.
" vesca—L.

Potentilla arguta—Pursh.
" Norvegica—L.
" supina—L.
" *recta*—L.
" argentea—L.
" palustris—Scop.
" Anserina—L.
" Canadensis—L.
Agrimonia Eupatoria—L.
Poterium *Sanguisorba*—L.
Rosa blanda—Ait.
" Carolina—L.
" lucida—Ehrh.
" humilis—Marsh.
" *micrantha*—Smith. (Logie).
" *rubiginosa*—L.
" *cinnamomea*—L.
Pyrus *Malus*—L.
" *communis*—L.
" coronaria—L.
" arbutifolia var. melanocarpa—Hook.
" *aucuparia*—Gaertn.
Crataegus *oxyacantha*—L.
" coccinea—L.
" tomentosa—L.
" punctata—Jacq.
" Crus-galli—L.
Amelanchier Canadensis—Torr. & Gray.
" " var. oblongifolia—Torr. & Gray.

SAXIFRAGACEAE.

Saxifraga Virginiensis—Michx.
Tiarella cordifolia—L.
Mitella diphylla—L.
" nuda—L.
Chrysosplenium Americanum—Schwein.
Parnassia Caroliniana—Michx.
Ribes Cynosbati—L.

Ribes rotundifolium—Michx.
" oxyacanthoides—L. (Logie.)
" lacustre—Poir.
" prostratum—L'Her. (Logie.)
" floridum—H'Her.
" rubrum—L., var. subglandulosum—Maxim (Logie.)

CRASSULACEAE.

Penthorum sedoides—L.
Sedum *ternatum*—Michx. (Buchan.)
" *acre*—L.
" *Telephium*—L.

DROSERACEAE.

Drosera rotundifolia—L.

HAMAMELIDEAE.

Hamamelis Virginiana—L.

HALORAGEAE.

Myriophyllum spicatum—L. (Buchan.)
" verticillatum—L. (Logie.)
" heterophyllum—Michx. (Logie.)
" tenellum—Bigelow (Logie.)
Hippuris vulgaris—L.

LYTHRACEAE.

Decodon verticillatus—Ell.

ONAGRACEAE.

Epilobium angustifolium—L.
" *hirsutum*—L.
" lineare—Muhl.
" strictum—Muhl. (Logie).
" coloratum (?)—Muhl.
" adenocaulon—Haussk.
" palustre—L.
Oenothera biennis—L.
" " var. grandiflora—Lindl.
" pumila—L.

Circaea Lutetiana—L.
" alpina—L.

CUCURBITACEAE.

Sicyos angulatus—L. (Logie).
Echinocystis lobata—Torr. & Gray.

FICOIDEAE.

Mollugo *verticillata*—L.

UMBELLIFERAE.

Daucus *Carota*—L.
Angelica atropurpurea—L.
Conioselinum Canadense—Torr. & Gray.
Heracleum lanatum—Michx.
Pastinaca *sativa*—L.
Thaspium aureum—Nutt.
Pimpinella integerrima—Benth & Hook.
Cryptotaenia Canadensis—D. C.
Sium cicutaefolium—Gmelin.
Carum *Carui*—L.
Cicuta maculata—L.
" bulbifera—L.
Osmorrhiza brevistylis—D. C.
" longistylis—D C.
Hydrocotyle Americana—L.
Sanicula Marylandica—L.
" " var. Canadensis—Torr.

ARALIACEAE.

Aralia racemosa—L.
" nudicaulis—L.
" quinquefolia—Decsne. & Planch.
" trifolia—Decsne. & Planch.

CORNACEAE.

Cornus Canadensis—L.
" florida—L.
" circinata—L'Her.
" stolonifera—Michx.

Cornus paniculata—L'Her.
" alternifolia—L. f.

CAPRIFOLIACEAE.

Sambucus Canadensis—L.
" racemosa—L.
Viburnum Opulus—L.
" acerifolium—L.
" pubescens—Pursh.
" cassinoides—L.
" Lentago—L.
Triosteum perfoliatum—L.
Linnaea borealis—L.
Symphoricarpos occidentalis—Hook. (Logie).
" racemosus—Michx.
" " var. pauciflorus—Robbins.
Lonicera ciliata—Muhl.
" hirsuta—Eaton. (Buchan).
" Sullivantii—Gray. (Logie).
" glauca—Hill.
" *Tartarica*—L.
Diervilla trifida—Moench.

RUBIACEAE.

Cephalanthus occidentalis—L.
Mitchella repens—L.
Galium *verum*—L.
" Aparine—L.
" lanceolatum—Torr.
" boreale—L.
" trifidum—L.
" asprellum—Michx.
" triflorum—Michx.
Asperula *arvensis*—L.

DIPSACEAE.

Dipsacus *sylvestris*—Mill.

COMPOSITAE.

Eupatorium purpureum—L.
" perfoliatum—L.

Eupatorium ageratoides—L.
Liatris cylindracea—Michx.
Solidago squarrosa—Muhl.
" caesia—L.
" latifolia—L.
" bicolor—L.
" humilis—Pursh.
" stricta—Ait. (Logie)
" puberula—Nutt. (Craigie).
" speciosa—Nutt.
" odora—Ait. (Logie).
" patula—Muhl.
" rugosa—Mill.
" ulmifolia—Muhl (Buchan)
" arguta—Ait.
" juncea—Ait.
" " var. scabrella—Gray.
" serotina—Ait.
" " var. gigantea—Gray.
" Canadensis—L.
" " var. scabra.
" nemoralis—Ait.
" rigida—L.
" lanceolata—L.
Aster corymbosus—Ait.
" macrophyllus—L.
" Novae-Angliae—L.
" patens—Ait. (Craigie).
" azureus—Lindl.
" undulatus—L.
" cordifolius—L.
" sagittifolius—Willd.
" laevis—L.
" multiflorus—Ait.
" dumosus—L. (Craigie).
" diffusus—Ait.
" Tradescanti—L.
" paniculatus—Lam.

Aster salicifolius—Ait. (Buchan).
" Novi-Belgii—L. (Craigie).
" prenanthoides—Muhl. (Craigie).
" puniceus—L.
" umbellatus—Mill.
" ptarmicoides—Torr. & Gray.
" acuminatus—Michx. (Craigie).
" tenuifolius—L.
Erigeron Canadensis—L.
" annuus—Pers.
" strigosus—Muhl.
" hyssopifolius—Michx.
" bellidifolius—Muhl.
" Philadelphicus—L.
Antennaria plantaginifolia—Hook.
Anaphalis margaritacea—Benth & Hook.
Gnaphalium polycephalum—Michx.
" decurrens—Ives.
" uliginosum—L.
Inula *Helenium*—L.
Polymnia Canadensis—L.
Ambrosia artemisiaefolia—L.
Xanthium *spinosum*—L.
" *strumarium*—L. (Logie).
" Canadense—Mill.
Heliopsis laevis—Pers.
" scabra—Dunal.
Rudbeckia laciniata—L.
" hirta—L.
Helianthus giganteus—L.
" divaricatus—L.
" strumosus—L.
" decapetalus—L.
Bidens frondosa—L.
" connata—Muhl.
" cernua—L.
" chrysanthemoides—Michx.
" Beckii—Torr.

Helenium autumnale—L. (Logie).
Anthemis *Cotula*—D. C.
Achillea Millefolium—L.
Chrysanthemum *Leucanthemum*—L.
" *Balsamitae*—L.
Tanacetum *vulgare*—L.
Artemisia Canadensis—Michx.
" Ludoviciana—Nutt. (Craigie).
" *Abrotinum*—L.
" *vulgaris*—L.
" biennis—Willd.
" *Absinthium*—L.
Petasites palmata—Gray.
Senecio *vulgaris*—L.
" lobatus—Pers. (Logie).
" palustris (?)—Hook. (Logie).
" aureus—L.
" *Jacobaea*—L.
Erechtites hieracifolia—Raf.
Arctium *Lappa*—L.
Cnicus *lanceolatus*—Hoffm.
" altissimus var. discolor—Gray.
" muticus—Pursh.
" *arvensis*—Hoffm.
Onopordon *Acanthium*—L.
Centaurea *Cyanus*—L.
" *nigra*—L.
Lampsana *communis*—L. (Logie.)
Cichorium *Intybus*—L.
Tragopogon *porrifolius*—L.
Leontodon *autumnalis*—L.
Hieracium *aurantiacum*—L.
" *murorum*—L.
" Canadense—Michx.
" paniculatum—L.
" venosum—L.
" scabrum—Michx.
" Gronovii—L.

Hieracium longipilum—Torr. (Craigie & Logie.)
Prenanthes alba—L.
" serpentaria—Pursh.
" altissima—L.
Taraxacum *officinale*—Weber.
Lactuca *sativa*—L.
" Canadensis—L.
" Floridana—Gaertn. (Logie.)
" leucophaea—Gray.
Sonchus *oleraceus*—L.
" *asper*—Vill.
" *arvensis*—L.

LOBELIACEAE.

Lobelia cardinalis—L.
" syphilitica—L.
" puberula—Michx (Craigie.)
" spicata—Lam.
" inflata—L.
" Dortmanna—L.

CAMPANULACEAE.

Specularia perfoliata—A. DC.
Campanula *rapunculoides*—L.
" rotundifolia—L.
" aparinoides—Pursh.
" Americana—L.

ERICACEAE.

Gaylussacia resinosa—Torr. & Gray.
Vaccinium stamineum—L.
" Pennsylvanicum—Lam.
" vacillans—Solander.
" corymbosum—L.
" macrocarpon—Ait.
Chiogenes serpyllifolia—Salisb.
Gaultheria procumbens—L.
Cassandra calyculata—Don.
Kalmia glauca—Ait.
Ledum latifolium—Ait.

Chimaphila umbellata—Nutt.
" maculata—Pursh. (Craigie).
Moneses grandiflora—Salisb.
Pyrola secunda—L.
" elliptica—Nutt.
" rotundifolia—L.
" " var. asarifolia—Hook.
" " " uliginosa—Gray
" " " incarnata—DC.
Pterospora Andromedea—Nutt. (Logie).
Monotropa uniflora—L.
" Hypopitys—L. (Logie).

PRIMULACEAE.

Trientalis Americana—Pursh.
Steironema ciliatum—Raf.
Lysimachia quadrifolia—L.
" stricta—Ait.
" thyrsiflora—L.
Anagallis *arvensis*—L.
Samolus Valerandi—L., var. Americanus—Gray (Buchan.)

OLEACEAE.

Fraxinus Americana—L.
" sambucifolia—Lam.
Ligustrum *vulgare*—L.

APOCYNACEAE.

Apocynum androsaemifolium—L.
" cannabinum—L.

ASCLEPIADACEAE.

Asclepias tuberosa—L.
" incarnata—L.
" Cornuti—Decaisne
" phytolaccoides—Pursh.
" variegata (?)—L. (Logie).
" quadrifolia—L.

GENTIANACEAE.

Gentiana crinita—Froel

Gentiana Amarella—L. (Logie).
" quinqueflora—Lam. (Craigie)
" Andrewsii—Griseb.
" alba—Muhl.
Frasera Carolinensis—Walt.
Halenia deflexa—Grisebach.
Menyanthes trifoliata—L.

POLEMONIACEAE.

Phlox divaricata—L.

HYDROPHYLLACEAE.

Hydrophyllum Virginicum—L.
" Canadense—L.
" appendiculatum—Michx.

BORRAGINACEAE.

Cynoglossum *officinale*—L.
Echinospermum Virginicum—Lehm.
" *Lappula*—Lehm.
Myosotis *palustris*—Witnering.
" laxa—Lehm.
" arvensis—Hoffmn.
" verna—Nutt.
Lithospermum *arvense*—L.
" canescens—Lehn.
" angustifolium—Michx.
Onosmodium Carolinianum—DC.
Symphytum *officinale*—L.
Echium *vulgare*—L.

CONVOLVULACEAE.

Convolvulus spithamaeus—L.
" sepium—L.
" " var. repens—Gray.
" *arvensis*—L.
Cuscuta Gronovii—Willd.

SOLANACEAE.

Solanum *Dulcamara*—L.
" nigrum—L.

Physalis Virginiana—Mill.
Nicandra *physaloides*—Gaertn.
Lycium *vulgare*—Dunal.
Datura *Stramonium*—L.
" *Tatula*—L.
Nicotiana *rustica*—L.

SCROPHULARIACEAE.

Verbascum *Thapsus*—L.
" *Blattaria*—L.
Linaria *vulgaris*—Mill.
Scrophularia nodosa—L., var. Marilandica—Gray.
Chelone glabra—L.
Pentstemon pubescens—Solander.
Mimulus ringens—L.
Gratiola Virginiana—L.
" aurea—Muhl.
Ilysanthes riparia—Raf (Buchan).
Veronica Anagallis—L.
" Americana—Schweinitz.
" scutellata—L.
" officinalis—L.
" serpyllifolia—L.
" peregrina—L.
" *arvensis*—L.
" *Buxbaumii*—Tenore.
Gerardia pedicularia—L.
" flava—L.
" quercifolia—Pursh.
" laevigata—Raf. (Logie).
" purpurea—L. (Logie).
" tenuifolia—Vahl., var. asperula—Gray.
Castilleia coccinea—Spreng.
Pedicularis Canadensis—L.
Melampyrum Americanum—Michx.

OROBANCHACEAE.

Epiphegus Virginiana—Bart.
Conopholis Americana—Wallroth (Logie).

Aphyllon uniflorum—Gray.

LENTIBULARIACEAE.

Utricularia vulgaris—L.
" intermedia—Hayne.

PEDALIACEAE.

Martynia proboscidea—Glox.

VERBENACEAE.

Verbena urticaefolia—L.
" hastata—L.
Phryma Leptostachya—L.

LABIATAE.

Teucrium Canadense—L.
" occidentale—Gray.
Ajuga *reptans*—L.
Collinsonia Canadensis—L.
Mentha *viridis*—L.
" *piperita*—L.
" Canadensis—L.
Lycopus Virginicus—L.
" sinuatus—Ell.
Pycnanthemum muticum—Pers.
* " incanum (?)—Mich. (Craigie & Logie.)
Satureia *hortensis*—L.
Calamintha Clinopodium—Benth.
Hedeoma pulegioides—Pers.
Salvia *officinalis*—L.
Monarda didyma—L.
" fistulosa—L.
" " var. mollis—Benth.
" punctata—L. (Logie.)
Lophanthus nepetoides—Benth.
Nepeta *Cataria*—L.
" *Glechoma*—Benth.
Scutellaria lateriflora—L.
" parvula—Michx.
" galericulata—L.

*Doubtful; probably refers to muticum.

Brunella vulgaris—L.
Marrubium *vulgare*—L.
Leonurus *Cardiaca*—L.
Lamium *amplexicaule*—L. (Logie).
" *album*—L.
Galeopsis *Tetrahit*—L.
Stachys palustris—L.
" aspera—Michx.

PLANTAGINACEAE.

Plantago major—L.
" Rugelii—Decaisne.
" *lanceolata*—L.
" *media*—L.

AMARANTACEAE.

Amarantus *hypochondriacus*—L.
" *paniculatus*—L.
" *retroflexus*—L.
" albus—L.

CHENOPODIACEAE.

Chenopodium *album*—L.
" *urbicum*—L. (Craigie).
" hybridum—L.
" *glaucum*—L.
" *Bonus-Henricus*—L.
" capitatum—Watson.
" *Botrys*—L.
" *ambrosioides*—L.
Atriplex patulum—L.
" " var. hastatum—Gray.
" " " littorale—Gray.

PHYTOLACCACEAE.

Phytolacca decandra—L.

POLYGONACEAE.

Rumex Britannica—L.
" verticillatus—L.
" *crispus*—L.

Rumex *obtusifolius*—L. (Buchan.)
" *Acetosella*—L.
" *Acetosa*—L.
Polygonum aviculare—L.
" erectum—L.
" tenue—Michx.
" lapathifolium—L., var. incarnatum—Watson.
" Pennsylvanicum—L.
" amphibium—L.
" Muhlenbergii—Watson (Buchan).
" *Persicaria*—L.
" hydropiperoides—Michx.
" Hydropiper—L.
" acre—H B K.
" Virginianum—L.
" arifolium—L.
" sagittatum—L.
" *Convolvulus*—L.
" dumetorum—L., var. scandens—Gray.
Fagopyrum *esculentum*—Moench.

ARISTOLOCHIACEAE.

Asarum Canadense—L.

LAURACEAE.

Sassafras officinale—Nees.
Lindera Benzoin—Blume.

THYMELAEACEAE.

Dirca palustris—L.

ELAEAGNACEAE.

Shepherdia Canadensis—Nutt.

SANTALACEAE.

Comandra umbellata—Nutt.

EUPHORBIACEAE.

Euphorbia polygonifolia—L.
" maculata—L.
" Preslii—Guss. (L. & B.)
" corollata—L. (Craigie).

Euphorbia obtusata—Pursh. (Logie).
" *platyphylla*—L.
" *Helioscopia*—L.
" *Cyparissias*—L.
" *Peplus*—L.
Acalypha Virginica—L.

URTICACEAE.

Ulmus fulva—Michx.
" Americana—L.
" racemosa—Thomas.
Cannabis *sativa*—L.
Humulus Lupulus—L.
Urtica gracilis—Ait.
Laportea Canadensis—Gaud.
Pilea pumila—Gray.
Boehmeria cylindrica—Willd.

PLATANACEAE.

Platanus occidentalis—L.

JUGLANDACEAE.

Juglans cinerea—L.
" nigra—L.
Carya alba—Nutt.
" porcina—Nutt.
" amara—Nutt.

MYRICACEAE.

Myrica Gale—L.
" asplenifolia—Endl.

CUPULIFERAE.

Betula lenta—L.
" lutea—Michx. f.
" papyrifera—Marshall.
Alnus incana—Willd.
Corylus rostrata—Ait.
Ostrya Virginica—Willd.
Carpinus Caroliniana—Walter.

Quercus alba—L.
" macrocarpa—Michx.
" Muhlenbergii—Engelm.
" rubra—L.
" coccinea, var. tinctoria—Gray.
Castanea sativa—Mill, var. Americana.
Fagus ferruginea—Ait.

SALICACEAE.

Salix nigra—Marsh.
" " var. falcata—Torr.
" lucida—Muhl.
" *alba*—L.
" longifolia—Muhl.
" rostrata—Richardson.
" discolor—Muhl.
" humilis—Marsh.
" tristis—Ait. (Logie).
" *viminalis*—L.
" cordata—Muhl.
Populus *alba*—L.
" tremuloides—Michx.
" grandidentata—Michx.
" balsamifera—L.
" monilifera—Ait.

CERATOPHYLLACEAE.

Ceratophyllum demersum—L.

CONIFERAE.

Pinus Strobus—L.
Picea nigra—Link.
" alba—Link.
Tsuga Canadensis—Carr.
Abies balsamea—Miller.
Larix Americana—Michx.
Thuya occidentalis—L.
Juniperus communis—L.
" Virginiana—L.
Taxus Canadensis—Willd.

HYDROCHARIDACEAE.

Elodea Canadensis—Michx.
Vallisneria spiralis—L.

ORCHIDACEAE.

Calypso borealis—Salisb. (Logie).
Aplectrum hiemale—Nutt.
Corallorhiza innata—R. Br.
" odontorhiza—Nutt. (Buchan).
" multiflora—Nutt.
Spiranthes cernua—Richard.
Goodyera repens—R. Br.
" pubescens—R. Br.
" Menziesii—Lindl.
Pogonia ophioglossoides—Nutt (Logie).
Orchis spectabilis—L.
Habenaria tridentata—Hook.
" virescens—Spreng.
" bracteata—R. Br.
" hyperborea—R. Br.
" dilatata—Gray (Logie).
" Hookeri—Torr.
" orbiculata—Torr.
" leucophaea—Gray.
" lacera—R. Br.
" psycodes—Gray.
" fimbriata—R. Br. (Logie)
Cypripedium parviflorum—Salisb.
" pubescens—Willd.
" spectabile—Salisb.
" acaule—Ait.

IRIDACEAE.

Iris versicolor—L.
Sisyrinchium angustifolium—Mill.
" anceps—Cav.

AMARYLLIDACEAE.

Hypoxis erecta—L.

DIOSCOREACEAE.

Dioscorea villosa—L.

LILIACEAE.

Smilax herbacea—L.
" hispida—Muhl.
Allium tricoccum—Ait.
Muscari *botryoides*—Mill.
Hemerocallis *fulva*—L.
Polygonatum biflorum—Ell.
" giganteum—Dietrich.
Asparagus *officinalis*—L.
Smilacina racemosa—Desf.
" stellata—Desf.
" trifolia—Desf.
Maianthemum Canadense—Desf.
Streptopus roseus—Michx.
" amplexifolius—DC.
Disporum lanuginosum—Benth. & Hook.
Clintonia borealis—Raf.
Uvularia perfoliata—L.
" grandiflora—Smith.
Erythronium Americanum—Ker.
Lilium Philadelphicum—L.
" superbum—L.
" Canadense—L.
Medeola Virginiana—L.
Trillium erectum—L.
" grandiflorum—Salisb.
" " var. (?) viridescens—Peck.
" cernuum—L.
Tofieldia pubens—Ait. (Craigie.)

PONTEDERIACEAE.

Pontederia cordata—L.
Heteranthera graminea—Vahl.

JUNCACEAE.

Juncus effusus—L.
" Balticus—Dethard, var. littoralis—Engelm.

Juncus tenuis—Willd.
" bufonius—L.
" alpinus—Villars, var. insignis—Fries.
" acuminatus—Michx.
" nodosus—L.
" " var. megacephalus—Torr.
Luzula vernalis—DC.
" campestris—DC.

TYPHACEAE.

Typha latifolia—L.
Sparganium eurycarpum—Engelm.
" simplex—Huds.
" " var. angustifolium—Engelm.

ARACEAE.

Arisaema triphyllum—Torr.
Calla palustris—L.
Symplocarpus foetidus—Salisb.
Acorus Calamus—L.

LEMNACEAE.

Spirodela polyrrhiza—Schleid.
Lemna trisulca—L.
" minor—L.
Wolffia Columbiana—Karsten.
" Brasiliensis—Weddell.

ALISMACEAE.

Alisma Plantago—L.
Sagittaria variabilis—Engelm.
" graminea, Michx.

NAIADACEAE.

Potamogeton natans—L.
" amplifolius—Tuckerrn.
" heterophyllus—Schreb.
" Zizii—Mert & Koch.
" lucens—L. (Logie).
" perfoliatus—L.
" zosteraefolius—Schum.

Potamogeton pauciflorus—Pursh.
" pectinatus—L.

ERIOCAULEAE.

Eriocaulon septangulare—Withering.

CYPERACEAE.

Cyperus diandrus—Torr.
" Schweinitzii—Torr.
" filiculmis—Vahl.
" strigosus—L.
Dulichium spathaceum—Pers.
Eleocharis ovata—R. Br.
" palustris—R. Br.
" tenuis—Schultes
" acicularis—R. Br.
Scirpus pungens—Vahl.
" lacustris—L.
" fluviatilis—Gray.
" atrovirens—Muhl.
Eriophorum cyperinum—L.
" Virginicum—L.
" polystachyon—L.
" gracile—Koch.
Carex intumescens—Rudge.
" lupulina—Muhl.
" " " var pedunculata—Dewey.
" Tuckermani—Dewey.
" retrorsa—Schwein.
" lurida—Wahl.
" Schweinitzii—Dewey.
" hystricina—Muhl.
" Pseudo-Cyperus—L. var. Americana—Hochst.
" scabrata—Schwein.
" riparia—W. Curtis.
" stricta—Lam.
" prasina—Wahl.
" crinita—Lam.
" gracillima—Schwein.

Carex granularis—Muhl.
" laxiflora—Lam.
" " " var. striatula—Carey (Buchan).
" " " " latifolia—Boott.
" " " " patulifolia—Carey (Buchan).
" digitalis—Willd,
" laxiculmis—Schwein.
" platyphylla—Carey.
" plantaginea—Lam.
" Saltuensis—Bailey.
" aurea—Nutt.
" pedunculata—Muhl.
" varia—Muhl.
" Novae-Angliae—Schwein (Buchan).
" Pennsylvanica—Lam.
" polytrichoides—Muhl.
" stipata—Muhl.
" teretiuscula—Gooden.
" vulpinoidea—Michx.
" tenella—Schk.
" rosea—Schk.
" sparganioides—Muhl.
" cephalophora—Muhl.
" echinata—Murray, var. microstachys—Boeckl.
" trisperma—Dewey.
" bromoides—Schk.
" tribuloides—Wahl.
" " var. cristata—Bailey.
" scoparia—Schk.
" straminea—Willd.

GRAMINEAE.

Panicum *glabrum*—Gaudin.
" *sanguinale*—L.
" capillare—L.
" xanthophysum—Gray.
" latifolium—L.
" depauperatum—Muhl.

Panicum dichotomum—L.
" Crus-galli—L.
" " var. hispidum.
Setaria *verticillata*—Beauv.
" *glauca*—Beauv.
" *viridis*—Beauv.
" *Italica*—Kunth.
Cenchrus tribuloides—L.
Leersia Virginica—Willd.
" oryzoides—Swartz.
Zizania aquatica—L.
Andropogon furcatus—Muhl.
" scoparius—Michx.
Chrysopogon nutans—Benth.
Phalaris *Canariensis*—L.
" arundinacea—L.
Anthoxanthum *odoratum*—L. (Logie.)
Oryzopsis melanocarpa—Muhl.
" asperifolia—Michx.
Milium effusum—L.
Muhlenbergia glomerata—Trin.
" Mexicana—Trin.
" sylvatica—Torr. and Gray.
" diffusa—Schreber (Logie).
Brachyelytrum aristatum—Beauv.
Phleum *pratense*—L.
Alopecurus *geniculatus*—L., var. aristulatus—Torr.
Sporobulus asper—Kunth.
" vaginaeflorus—Vasey.
" cryptandrus—Gray.
Agrostis *alba*—L.
" " var. *vulgaris*—Thurb.
" perennans—Tuckerm.
" scabra—Willd.
Cinna arundinacea—L
Calamagrostis Canadensis—Beauv.
" confinis—Nutt.
Holcus *lanatus*—L.

Deschampsia flexuosa—Trin.
Avena striata—Michx.
" *fatua*—L.
Danthonia spicata—Beauv.
Cynodon *Dactylon*—Pers.
Bouteloua oligostachya—Torr.
Eleusine *Indica*—Gaertn (Logie).
Phragmites communis—Trin.
Munroa squarrosa—Torr.
Eatonia Pennsylvanica—Gray.
Eragrostis *minor*—Host.
Dactylis *glomerata*—L.
Poa *annua*—L.
" *compressa*—L.
" nemoralis—L.
" serotina—Ehrhart.
" pratensis—L.
" debilis—Torr.
Glyceria Canadensis—Trin.
" elongata—Trin.
" nervata—Trin.
" pallida—Trin.
" grandis—Watson.
" fluitans—R. Br
Festuca tenella—Willd.
" ovina—L.
" nutans—Willd.
" *elatior*—L., var. *pratensis*—Gray.
Bromus Kalmii—Gray.
" *secalinus*—L.
" ciliatus—L.
Lolium *perenne*—L.
Agropyrum repens—Beauv.
" caninum—R. & S.
Elymus Virginicus—L.
" Canadensis—L.
" " var. glaucifolius—Gray.
" striatus—Willd.

Asprella Hystrix—Willd.

EQUISETACEAE.

Equisetum arvense—L.
" pratense—Ehrh.
" sylvaticum—L.
" palustre—L.
" limosum—L.
" hyemale—L.
" variegatum—Schleicher.
" scirpoides—Michx.

FILICES.

Polypodium vulgare—L.
Adiantum pedatum—L.
Pteris aquilina—L.
Pellaea gracilis—Hook.
" atropurpurea—Link.
Woodwardia Virginica—Smith.
Asplenium Trichomanes—L.
" thelypteroides—Michx.
" Filix-foemina—Bernh.
Camptosorus rhizophyllus—Link
Phegopteris hexagonoptera—Fee.
" Dryopteris—Fee.
Aspidium Thelypteris—Swartz
" Noveboracense—Swartz.
" spinulosum—Swartz.
" " " var. intermedium—D. C. Eaton.
" " " " dilatatum—Hook (Logie).
" Boottii—Tuckerm.
" cristatum—Swartz.
" " " var. Clintonianum.
" Goldianum—Hook.
" marginale—Swartz.
" acrostichoides—Swartz.
Cystopteris bulbifera—Bernh.
" fragilis—Bernh.

Onoclea sensibilis—L.
" Struthiopteris—Hoffman.
Dicksonia pilosiuscula—Willd.
Osmunda regalis—L.
" Claytoniana—L.
" cinnamomea—L.

OPHIOGLOSSACEAE.

Botrychium ternatum—Swartz, var. lunarioides—(Buchan).
" " " " obliquum.
" Virginianum—Swartz.

LYCOPODIACEAE.

Lycopodium lucidulum—Michx.
" annotinum—L.
" obscurum—L.
" clavatum—L.
" complanatum—L.

SELAGINELLACEAE.

Selaginella apus—Spring.

SALVINIACEAE.

Azolla Caroliniana—Willd. (Buchan.)

MARCHANTIACEAE.

Marchantia polymorpha—L.

Note error in local *additions* : Lithospermum angustifolium—Michx. (L. longiflorum—Spreng.) was reported by Judge Logie.

*LIST OF LOCAL FOSSILS NOT PREVIOUSLY REPORTED IN THE JOURNAL OF PROCEEDINGS.

PREPARED BY COL. C. C. GRANT.

NIAGARA FOSSILS.

SPONGIDAE.

Genera and Species.	*Authority and Reference.*
Stromatopora concentrica	Goldfuss, 1820, Germ. Pet.
Caunopora Walkeri	Spencer, 1882, Niag. Fossils
" mirabilis	" " "
Cornostoma constellatum	Hall, 1852, Pal. N. Y.
" botryordea	Spencer, 1882, Niag. Fossils
Dictyostoma reticulata	" " "
Astylospongia præmorsa	Goldfuss, 1880, Germ. Pet.
" (species.)	
Aulocopina Granti	Billings, 1875, Can. Nat.

Large numbers undetermined yet, sent to Dr. Head and Prof. Rauff, who named a few.

HYDROZOA.

Phyllograptus dubius	Spencer, 1882,	Niag. Fossils
Dendrograptus ramosus	"	"
" simplex	"	"
" Dawsoni	"	"
" frondosus	"	"
" prægracilis	"	"
" spinosus	"	"
Callograptus Granti	"	"
" Niagarensis	"	"
" (Dendrograptus) multicaulis	"	"
" minutus	"	"

* The Association purpose preparing, during the coming session, a list of all palæontological specimens contained in the museum.

Genera and Species.	*Authority and Reference.*
Dictyonema retiforme	Hall, 1852, Pal. N. Y.
" gracilis	" "
" Websteri	Dawson, 1868, Acad. Geol.
" tenellum	Spencer, 1878, Can. Nat.
Calyptograptus cyatheformis	" "
" subretiformis	" "
" micronematodes	Spencer, 1882, Can. Nat.
" radiatus	
Rhizograptus bulbosus	Spencer, 1878, Can. Nat.
Acanthograptus Granti	" "
" pulcher	1882
Inocaulis plumulosa	Hall, 1852, Pal. N. Y.
" bella	Hall and Whitfield, 1874, Pal. Ohio
" Walkeri	Spencer, 1882, Niag. Foss.
" problematica	" " "
" diffusa	" " "
" ramulosa	" " "
" Corsicornis	" " "
" phyordes	" " "
Thamnograptus Bartonensis	
" multiformis	
Ptilograptus foliaceous	Spencer, 1878, Can. Nat.
Cyclograptus rotadentatus	" " "

About 400 specimens in Washington, sent to Dr. Gurley for description, including several new species.

ACTINOZOA.

Favosites Niagarensis	Hall, 1852, Pal. N. Y., Vol. II.
" favosa	Goldfuss, 1826, Germ. Pet.
Astrocerium constrictum	Hall, 1852, Pal. N. Y., Vol. II.
Syringolites nuronensis	Hinde, 1879, Geol. Mag.
Cladopora multipora	Hall, 1852, Pal. N. Y., Vol. II.
Striatopora flexuosa	" " "
Halysites Catenularia	Linn, 1767, Sys. Nat.
Syringopora verticillata	Goldfuss, 1826, Germ. Pet.
" rugosa	" "
Cyathophyllum radiculum	Rominger, 1876

Genera and Species.	*Authority and Reference.*
Omphyma Stokesi	Milne Edwards, 1876
Petræa Streptelasma Calycula	Hall, 1852, Pal. N. Y., Vol. II.
Asteroidea Petraster bellulus	Billings, 1865

TABULATA.

Chonophyllum Niagarensis	Hall, Pal. N. Y., Vol. II., Niag. Gp.

ECHINODERMATA.

Crinoidea and Cystoidea	
Lyriocrinus Dactylus	Hall, 1852, Pal. N. Y., Vol. II.
Thysanocrinus lilliformis	" " "
Eucalyptocrinus decorus	Phillips, 1829, Murch. Sil. Fossils
Stephanocrinus angulatus	Conrad, 1842
Caryocrinus ornatus	Say, 1825
Eucalyptocrinus Crassus	Hall, 1863, Vol. IV., Niag. Group.

POLYZOA.

Ceramopora foliacea	Hall, Pal. N. Y., 1852, Vol. II.
Fenestella elegans	" " "
Lichenalia concentrica	" " "
Trematopora ostiolata	" " "
Clathropora gracilis	Spencer, 1882, Niag. Fossils
Polypora Fenestella Albionensis	" 1880, "

BRYOZOA AND POLYZOA.

Retepora asperatostriata	Hall, 1852, Pal. N. Y., Vol. II.
Lichenalia	Hall (many species undescribed yet)
Cladopora	" " "
Saganella elegans	Hall

BRACHIOPODA.

SPIRIFERA.

Crispa	Hisinger, 1826, Acad. Nat. Sc.
Niagarensis	Conrad, 1842, Jour. Nat. Sc.
Radiata	Hisinger, 1857, Pet.
Sulcata	Sowerby, 1825, Min. Conch.
Plicitella, var. radiata	Hall, 1867, 20th Report, N. Y.
Atrypa Reticularis	Linn, 1767, Sys. Nat.
Athyris Meristina nitida	Hall, 1852, Pal. N. Y., Vol. II.

RHYNCHONELLIDÆ.

Genera and Species.	*Authority and Reference.*
R. neglecta	Hall, Pal. N. Y., Vol. II.
obtusiplicata	" " " "
var	" " " "
rugosa	" " " "
Pentamerus oblongus	Vannuxen, 1842, Pal. N. Y.
Stricklandinia Canadensis	Billings, 1859, Can. Nat.
R. pesum	Hall and Whitefield, 1875, Ohio Pal., Vol. II.
Indianensis	Hall, Vol. 4, Niag. group
Whitii	Hall (pre-occupied)
cuneata	Dolman, 1827
acinus	Hall, 1863, Niag. group, Vol. 4
Eichwoldia reticulata	Billings, 1858
Retzia (not R. evax.)	

STROPHOMENIDÆ.

Strophomena profundi	Hall, 1852, Pal. N. Y., Vol. II.
" rhomboidalis	Wallenburg, 1821
Stropodonta semifosciata	Hall, 1863
Striptorynchus tenuis	" 1859
Leptæna transversalis	Dolman, 1827
Orthis elegantula	"
" flabellum	Hall, 1843
" porcata	McCoy, 1846, Sil. Foss.
Strophomena Leda	Billings, Can. Geol., Vol. V.
Stroph. subplana	Conrad, 1842, Vol. VIII.
Strophodonta Striata	Hall, 1843

CRANIDÆ.

Crania Anna	Spencer, 1882, Niag. Foss.
Crania Siluriana	Hall

2 Crania—undescribed.

DISCINIDÆ.

Discina tenuilamellata	Hall, 1852, Pal. N. Y., Vol. II.
" clara	Spencer, 1882, Niag. Foss.

LINGULIDÆ.

Lingula ingens	Spencer, 1882, Niag. Foss.

Genera and Species.	*Authority and Reference.*
Lingula ingens oblonga	Conrad, 1839, Ann. Rep. N. Y.
" lamellata	Hall, 1852, Pal. N. Y., Vol. II.

LAMELLIBRANCHIATA.

Avicula emacerata	Conrad, 1849, Jour. Nat. Sc.
Pterinea brisa	Hall, 1867, 20th Rep, N. Y.
Posidonomya rhomboidea	Hall, 1852, Pal. N. Y., Vol. II.
Modiolopsis subulata	" " "
Avicula undata	
" subplana	

GASTEROPODA.

Platyostoma Niagarensis	Hall, 1852
Loxonema leda	Hall, 1867, 20 Rep. N. Y.
Pleurotomaria clipeiformis	Spencer, 1882, Niag. Fossils
Platyostoma plebea	Hall, 28th Rep. Pal. N. Y.
Pleurotomaria solarioides	Hall, 1852, Pal. N.Y., Barton and Guelph
Murchisonia	3 species

PTEROPODA.

Conularia Niagarensis	Hall, 1852, Pal. N. Y., Vol. II.
" magnifica	Spencer, 1879, Can. Nat.
" rugosa	" 1852, Niag. Foss.

CEPHALOPODA.

Orthoceras virgatum	Sow., 1839, Murch. Sil. Syst.
" annulatum	Sow., 1818, Min. Conch.
" simulator	Hall, 1876, 28th Rep., Pal. N. Y.
crebescens	" 1867, 20th, " "
" Bartonense	Spencer, 1882, Niag. Fossils
Cyrtoceras reversum	" " "
Lituites Niagarensis	" " "
Cyrtoceras	3 not determined yet

ANNELIDA.

Cornulitus flexuosus	Hall, 1852, Pal. N. Y., Vol. II.
" bellastriata	Hall
" species, allied to Styliola spica	"
" Species undetermined	

CRUSTACEA.

TRILOBATA.

Genera and Species.	*Authority and Reference.*
Illænus barriensis	Murch., 1838, Sil. Syst.
Encrinurus ornatus	Hall, 1852
Sphærexochus Vomingeri	Hall, 1867, 20th Rep., Pal. N. Y.
Calymene Blumenbachii	Brogniart, 1822, Nat. His.
Homalonotus delphinocephalus	Green, 1832
Dalmanites limulurus	" "
Lichas Boltoni	Bigsby, 1825, Jour. Nat. Sc.
Acidaspis Halli	Spencer, 1880, Niag. Foss.
Dalmania Verrucosa	Hall
Dalmania vigilans	
Acidaspis—3 species	

EURIPTERIDÆ.

Pterygotus Canadensis	Dawson, 1879, Can. Nat.

PLANTS.

Buthotrephis Granti	Dawson

Three others undescribed—two from Barton and one from Pentamerus bed, Hamilton.

CLINTON FOSSILS, HAMILTON, ONT.

Genera and Species.	*Reference.*
Buthotrephis gracilis	Hall, Pal. N. Y., 1852
" var. crassa	" " " "
" var. palmata	" " " "
Roots, various Algæ	" " " "
Stromatopora Sp.	
Conophyllum Niagarense	" " " "
Zaphrentis bilateralis	" " " "
Graptolithus Clintonensis	" " " "
Reteolites venosus	" " " "
Helopora fragilis	" " " "
Clathropora frondosa	" " " "
Polypora incepta	" " " "

Genera and Species.	*Reference.*
Retepora angulata	Hall, Pal. N. Y., 1852
Trematopora tuberculosa	" " " "
Merista cylindrica	" " " "
Athyris (Meristella) naviformis	" " " "
Lingula oblata	" " " "
Posidonia alata	" " " "
Posidonomya rhomboidea	" " " "
Platyostoma Niagarensis	" " " "
Orthoceras claratum	" " " "
Oncoceras subrectum	" " " "
Conularia Niagarensis	" " " "
Tentaculites distans	" " " "
Rusignites bilobatus	" " " "
Monticulipora lycoperdon	Say 1847
Palæaster Granti	Spencer Niag. Fossils, 1847
Fenestella bicomis	" " " "
Rhinopora vanosa	" " " "
Eucalyptocrinus decorus	Phillips, 1839
Fenestella prisca	Lonsdale, 1839
Strophomena rhomboidalis	Wahlenberg, 1821
Orthis elegantula	Dolman, 1837
Lingula oblonga	Conrad, 1839

Ichnites—4 undetermined species.

Arthrophycus Harlani.

Rusophycus (Hall) = Rusignitis (Dawson); Buthotrephis (Hall). Main stem absent (may be detached branches).

STAR FISHES.

Two or three (if Prof. Elliott's proves to be a new species, as we think it is).

CYSTOIDÆA CRINOIDÆA.

A Cystid, recently sent to G S. C., Ottawa.

A Crinoid, since obtained, not differing much from a Lower Silurian, one described by the late E. Billings (a new genus, perhaps). It bears a close resemblance to another Crinoid (much smaller), I sent to Prof. Billings many years since.

Glyptocrinus plumulosus.

GASTEROPODA.

Pleurotomaria—new species, probably—undescribed.
Murchisonia—2 species—undescribed.

LAMELLIBRANCHIATA.

Tellinomya curta (Hall).
" elliptica (Hall).
Pterinea brisa (Hall).

BRACHIOPODS.

Streptorynchus tenuis (Hall).
Orthis calligramma var. Davidsoni (Hall).
" sp. (with finer Striæ), undescribed perhaps.
Lingula perovata.
" new species (Hall); var. L. oblata (Dawson).
Crania—undescribed, probably.
Tentaculites neglectus (Nicholson).
Ichnites—several described and figured by Dawson.
Arthroclema—new species, probably.

MEDINA FOSSILS, HAMILTON, ONT.

Genera and Species. *Reference.*

Arthrophycus Harlani.... Hall, 1853, Pal. N. Y., Vol. II. Locality Grimsby.
Palæophycus species..... Hamilton and Grimsby
Zaphrentis bilateralis.... Hall, Pal. N. Y., Vol. II., 1852. Hamilton and Grimsby.
Atrypa oblata..... Hall, 1852, Pal. N. Y., Vol. II. Hamilton and Grimsby.
Modiolopsis orthonota.. Conrad, Ann. Report, N.Y., 1839. Hamilton
" species..... ..... Dundas, Hamilton and Grimsby
Murchisonia subulata ..... Conrad, 1842, Nat. Science Journal Hamilton.
Murchisonia conoidea... Hall, 1852, Pal. N. Y., Vol. II. Locality Hamilton and Grimsby.
Pleurotomaria litorea..... Hall, 1852, Pal. N. Y., Vol. II. Locality Hamilton and Grimsby.

Genera and Species. *Reference.*

Pleurotomaria pervetusta .....Conrad, 1838, Ann. Rep. Locality Hamilton and Grimsby.

Ichnites (several species). Hamilton and Grimsby.

Stromatopora species.....Hamilton

Athyris " ..... "

Lingula cuneata.....Conrad, 1839, Report N. Y.

Modiolopsis primigenea..... " 1838, "

Orthoceras species.....Hamilton

Favosites Niagarensis (or closely allied)..... "

Tentaculites, 2 species..... "

Crinoid Stems.

Halopea .....Grimsby

Six or seven Fucuoids, (Hamilton), omitted in Spencer's list; also some undescribed Bucannella trilobata—Conrad, 1838, Ann. Rep., N. Y.

NOTE.—Since the catalogues of local fossils were prepared, Dr. Jas. Hall, Director-general of the New York State Survey, has figured and described "Lingulops Granti," Niagara beds, and "Lingula Lingulata," Clinton, from Hamilton, Ont., Silurian rocks. A few others, also, were lately obtained, not yet named.

Locality

Hamilton
"
port N. Y.
"
Hamilton
"
"

. Grimsby
list; also
38, Ann.

. Jas. Hall,
l described
nton, from
btained, not